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DSSD CENSUS 2000 PROCEDURES AND OPERATIONS MEMORANDUM SERIES #L- 1

MEMORANDUM FOR Howard Hogan
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Through: James B. Treat JBT
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From: C. Robert Dimitri CRD
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Subject: Documentation of 1990 Response Rates

I. Introduction

In response to a recent request for their availability, this memorandum provides a listing of the mail response rates from the 1990 Decennial census. Documented below is the methodology for defining the response rates. The attached response rates include a national response rate, state response rates, and county response rates for each state. Also included for each state are response rates classified by place, Minor Civil Division (MCD), consolidated city, reservation, and Alaskan native village. Please direct questions regarding this memorandum to Rob Dimitri at (301) 457-8026.

II. Definition of Response Rate for this Document

The file that was used to generate these response rates is the Census Data Organization Project Operational File (CDOP-OP). Its final incarnation was created on June 11, 1993. This hierarchical file has a geographic header record for each tabulation block, each of which is followed by the unit records for that block.

Housing units are eligible to contribute to response rate for a given geographic area (state, county, etc.) if certain block variables and certain unit variables satisfy certain criteria.

The critical block variables are the collection type of enumeration area (CCTEA) and the urban special procedure indicator (CCBUUL). The critical housing unit variables are record type (CURT), source of unit (CURCE), the mailback check-in Julian day (CICIDY), and the surname capture indicator (CISNC). The possible values for these variables are outlined below.

<u>Variable</u>	<u>Possible Values</u>
CCTEA	1 = Tape Address Register (TAR) 2 = Prelist 3 = List/Enumerate (L/E) 4 = Prelist Pocket 5 = Update/Leave (U/L) - 1989 Prelist 6 = Remote L/E
CCBUUL	0 = No Urban Special Procedures for Block 1 = Urban U/L Block 2 = Urban Update/Enumerate (U/E) Block
CURT	1 = Census Group Quarters (GQ) 2 = Census Housing Unit (HU) 3 = Deleted GQ 4 = Deleted HU 5 = Killed GQ 6 = Killed HU
CUSRCE	1 = Vendor, Prelisted, or from Census Control File (CCF) for L/E 2 = Advance Post Office Check (APOC) Add 3 = Precanvass or APOC Reconciliation Add 4 = Re-added Precanvass Delete (only occur in 33 DO's in NY, NJ, and PA) 5 = Yellow Card Add 6 = Special Place Prelist Add 7 = Precensus Local Review Add 8 = Casing, U/L Add 9 = Nonresponse Followup (NRFU) Add 10 = Field Followup Add 11 = District Office Adds, Not Elsewhere Classified (NEC) 12 = Postcensus Local Review Add 13 = Search/Match Add 14 = Processing Office Add, Count Review Add, NEC 15 = Housing Unit Count Check
CICIDY	0 = Not checked in 1 - 365 = Julian Day
CISNC	0 = No Surname Capture 1 = Surname Captured (Surname May Be Blank)

The blocks which are eligible for the response rate universe are those that have a value of 1, 2, 4, or 5 for CCTEA and also have a value of 0 or 1 for CCBUUL. The unit variables are then used to define which housing units belong in the numerator and denominator of the response rate. The denominator consists of those housing units from the aforementioned blocks that have a value of 2, 4, or 6 for CURT and also have a value of 1, 2, 3, 4, 5, 6, 7, or 8 for CUSRCE. The numerator consists of all housing units in the denominator that satisfy either CICIDY = 1 to 365 or CISNC = 1.

Based on these criteria, we calculate response rate, which is rounded to the nearest whole integer, using the formula:

$$\text{Response Rate} = (\text{Numerator count} / \text{Denominator count}) * 100.$$

III. Presentation of 1990 Response Rates

The response rate documentation is contained in separate, accompanying attachment files.

ATT01.WPD (located at K:\DSSD Memo Series\L - Mail Response) contains the national response rate and response rates for the 50 states and the District of Columbia.

ATT02.WPD, ATT03.WPD, ...and ATT52.WPD are the 51 files containing the county response rates from the 50 states and the District of Columbia. These files are contained in folder K:\DSSD Memo Series\L - Mail Response\L1counties. The numerical order corresponds to alphabetical order by state. Some states are classified according to subdivisions analogous to counties such as boroughs or parishes. Also included for each county is an indicator of whether or not that county represents a functioning government unit. "F" denotes a functioning government while "N" implies that the county does not represent a functioning government unit.

ATT53.WPD, ATT54.WPD, ...and ATT103.WPD are the 51 files containing the response rates from the 50 states and the District of Columbia for places, MCDs, consolidated cities, reservations, and Alaskan native villages. "Places" is a term that can refer to a variety of geographical classifications including cities, towns, and Census Designated Places (CDP). These files are contained in folder K:\DSSD Memo Series\L - Mail Response\L1Places. Just as in the county listings, in addition to a response rate each record includes whether or not the location represents a functioning government unit.

The table below provides attachment numbers of the county and place files by state.

Attachments

cc:

DSSD Census 2000 Procedures and Operations Memorandum Series Distribution List

C. Rob Dimitri	(DSSD)	Greg Robinson	(POP)
T. John Chesnut	"	Antonio Bruce	"
Robin A. Pennington	"	Fay Nash	(DMD)
Kevin Zajac	"	Monique Sanders	"

County and Place Attachment Numbers by State

State	County Response Rates	Place Response Rates	State	County Response Rates	Place Response Rates
Alabama	2	53	Montana	28	79
Alaska	3	54	Nebraska	29	80
Arizona	4	55	Nevada	30	81
Arkansas	5	56	New Hampshire	31	82
California	6	57	New Jersey	32	83
Colorado	7	58	New Mexico	33	84
Connecticut	8	59	New York	34	85
Delaware	9	60	North Carolina	35	86
District of Columbia	10	61	North Dakota	36	87
Florida	11	62	Ohio	37	88
Georgia	12	63	Oklahoma	38	89
Hawaii	13	64	Oregon	39	90
Idaho	14	65	Pennsylvania	40	91
Illinois	15	66	Rhode Island	41	92
Indiana	16	67	South Carolina	42	93
Iowa	17	68	South Dakota	43	94
Kansas	18	69	Tennessee	44	95
Kentucky	19	70	Texas	45	96
Louisiana	20	71	Utah	46	97
Maine	21	72	Vermont	47	98
Maryland	22	73	Virginia	48	99
Massachusetts	23	74	Washington	49	100
Michigan	24	75	West Virginia	50	101
Minnesota	25	76	Wisconsin	51	102
Mississippi	26	77	Wyoming	52	103
Missouri	27	78			